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10/565,060	01/22/2008	Joel Fournier	026032-5007	3681

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FOLEY AND LARDNER LLP  
SUITE 500  
3000 K STREET NW  
WASHINGTON, DC 20007

EXAMINER
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SMITH, RICHARD A

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2841

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PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/565,060	<b>Applicant(s)</b> FOURNIER, JOEL	
	<b>Examiner</b> R. Alexander Smith	<b>Art Unit</b> 2841	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 08 December 2010.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 6-14 and 16-25 is/are pending in the application.  
     4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 6, 7, 11, 12, 14, 20, 21, 23 and 24 is/are rejected.
- 7) ☒ Claim(s) 8-10, 13, 16-19, 22 and 25 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
     a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948)                        | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### **Response to Arguments**

1. Applicant's arguments with respect to the amended claims have been considered but are moot in view of the new combination applied in the new ground(s) of rejection.

### **Claim Objections**

2. Claims 20-22 are objected to because of the following informalities:

Claims 20 and 22 are objected to as being dependent from a cancelled claim 15.

Therefore for the purpose of this Office action claims 20 and 22 are being treated as being dependent from claim 12.

### **Claim Rejections - 35 USC § 103**

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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4. Claims 6, 7, 11, 12, 14, 20, 21, 23 and 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over EP 0805340 to Sybrichs et al. in view of US 5,797,345 to Evans, II et al., US 6,653,567 to Ritter et al. and US 5,372,087 to Kato et al.

Sybrichs et al. discloses an onboard indicator with luminous needle, wherein the indicator is mounted on a dashboard electronic card, the needle comprising:

In claim 6, an arm (18) rotatable with a light source (17), the dashboard electronic card (11) configured to provide an energizing source for the light source, the light source comprising a support composed of flexible material (14) having a first part and second part;

wherein the first part (17) is configured to be subjected to an electric voltage from the energizing source, and wherein the first part is linked electrically by a flexible link formed by the second part (14) of the flexible support and wherein the second part serves as substrate for at least two conducting tracks (since there are two pins).

In claim 7, wherein the second part of the flexible support is attached to at least two pins (15 and 16) configured to be fitted into an electrical contact, wherein the electrical contact is attached to the dashboard electronic card (as shown in figure 1), and wherein each pin is configured to be in contact with one of the at least two conducting tracks.

In claims 11 and 20, wherein the light source is configured to rotate with the luminous needle,

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For the amendment to claims 6, 14 and 23 as filed on December 8, 2010: Sybrichs et al. does not provide a clear teaching of the second part or flexible electrical link (Flexleiter 14) extending around the hub in a spiral.

In addition, Sybrichs et al. does not teach:

In claim 6, the electronic card is a dashboard electronic card, the first part being covered with a photophore substance and a clear teaching of two tracks.

In claims 11 and 20, wherein the conducting tracks are configured to at least partially surround the light source so as to remain in electrical contact with the light source while the needle is rotating.

In claims 12 and 21, wherein the conducting tracks are configured in parallel with respect to each other, and wherein the conducting tracks are configured to link to either side of the needle so as to energize the light source and to enable the needle to extend without interruption up to its free end.

In claim 14, in addition to the above, a vehicle dashboard with a dashboard electronic card and said indicator.

The method steps of claims 23 and 24.

With respect to the amendment to claims 6, 14 and 23 as filed on December 8, 2010 and the second part or flexible electrical link extending around the hub in a spiral: Sybrichs et al. discloses (the lower assembly 26 shown in figure 2) two contact pins (15 and 16) attached to the

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flexible conductor (14); and, appears to show on the right side of the hub (13) a vertically oriented conductive link (not marked or discussed) between the flexible conductor (14) and the light source (17). Kato et al. shows a self-luminescent indicator having two pins (9a and 9b), a second part/flexible electrical link (FPC 5 shown in figures 2 and 3) which extends around the hub in the form of a spiral and which has a vertically oriented conductive link (FPC 12a shown in figures 2-4) to the light sources (LEDs 13). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to augment the second part/flexible electrical link, taught by Sybrichs et al., by having it extend around the hub in the form of a spiral, as taught by Kato et al., in order to provide a continuous electrical link from the pins to the light source as the hub and pointer rotate.

Evans, II et al. discloses an illuminated pointer which includes a first part (306) covered with a photophore substance (via the lamination in column 2 lines 57-67) and clearly shows two tracks (314 and 316) for the two contacts (220 and 222) wherein each contact is configured to be in electrical contact with one of the at least two tracks. The EL having the advantages of low power requirements and low mass (column 3 lines 1-7), plus the advantages of being a flexible film to take a pointer's shape, even illumination across the needle, etc. Evans, II et al. also discloses conducting tracks are configured to at least partially surround the light source so as to remain in electrical contact with the light source while the needle is rotating (at the base of 306 shown in figure 2) and discloses conducting tracks configured to link to either side of the needle so as to energize the lights source (since the claim is a comprising claim then "either side" is met

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by both sides) so as to energize the light source and to allow the needle to extend without interruption up to its free end.

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to replace the LED, taught by Sybrichs et al., with a first part having a photophore substance, to provide the two tracks with each track in contact with a pin, to at least partially surround the light source and to link to either side, as suggested by the teachings of Evans, II et al., in order to reduce the power requirements and the mass, and to get power to the photophore substance, as taught by Evans, II et al.

With respect to claims 12 and 21 regarding the parallel tracks: It is very well known to use parallel tracks on a flexible link. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to make the tracks parallel in order to provide the shortest route between the ends of the flexible link, to avoid potential short circuiting and insulation problems.

With respect to claim 6 and claim 14 and the dashboard electronic card and the vehicle dashboard: Ritter et al. discloses that it is known to use an electronic card (9) with electronic components thereon including indicators (11 with 12) and that such is in the form of a console for a vehicle dashboard. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to make the onboard indicator as a dashboard indicator and to have vehicle dashboard with said dashboard indicator and said electronic card, as suggested by the

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teachings of Ritter et al., in order to increase sales since vehicles employ a high volume of indicators.

With respect to claims 23 and 24: These method steps will be met during the normal operation of the dashboard indicator disclosed by Sybrichs et al. as modified by Evans, II et al. and Ritter et al.

#### **Allowable Subject Matter**

5. Claims 8-10, 13, 16-19 and 25 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten to include all of the limitations of the base claim and any intervening claims.

6. Claim 22 would be allowable if rewritten to overcome the claim objection and to include all of the limitations of the base claim and any intervening claims.

7. As allowable subject matter has been indicated, applicant's reply must either comply with all formal requirements or specifically traverse each requirement not complied with. See 37 CFR 1.111(b) and MPEP § 707.07(a).



### Conclusion

8. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The prior art cited in PTO-892 and not mentioned above disclose related indicators.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to R. Alexander Smith whose telephone number is 571-272-2251. The examiner can normally be reached on Monday through Friday from 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin Enad can be reached on 571-272-1990. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/R.A.Smith/

February 25, 2011

R. Alexander Smith  
Primary Examiner, Art Unit 2841